

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hiromasa TAKAHASHI *et al.*
Serial No.: Unassigned (§53(b) Div. of 09/811,606 filed 20 March 2001)
Filed: 13 January 2004
For: MAGNETORESISTIVE SENSOR INCLUDING MAGNETIC DOMAIN
CONTROL LAYERS HAVING HIGH ELECTRIC RESISTIVITY,
MAGNETIC HEAD AND MAGNETIC DISK APPARATUS
Group AU: Unassigned (Parent - 2652)
Examiner: Unassigned (Parent - J. Watko)
Conf. No.: Unassigned (Parent - 3900)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
POB 1450
Alexandria, Virginia 22313-1450

13 January 2004

Sir:

Applicant submits herewith information in accordance with §§1.97 and 1.98, as listed on the attached Form PTO-1449, for entry and consideration, and to appear on the printed face of any patent issuing hereon, in the above-identified application.

This case is a divisional of US Application No. 09/811,606 filed 20 March 2001, pending. The information listed on the attached Form PTO-1449 was cited to and by the Office in the prior application. In accordance with 37 CFR §1.98, no copies of the cited references are required to be filed. Further in accordance with §1.98, no separate statement of relevance is due for the information which is not in the English language, since the understanding and explanation of the non-English information has not changed from that given in the prior application.

This Statement is being submitted concurrently with the present application,
and no Petition or fee is required for entry of this paper.

Respectfully submitted,



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ATTACHMENT:
Form PTO-1449

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DKT. NO. 520.39871VX2	SERIAL NO. Unassigned
	APPLICANT Hiromasa TAKAHASHI <i>et al.</i>	
	FILING DATE 13 January 2004	GROUP Unassigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA 2001/0021089 A1	09/2001	Miyauchi <i>et al.</i>			
	AB 5,729,410	03/1998	Fontana <i>et al.</i>			
	AC					
	AD					
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	AH					
	AI					
	AJ					
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	AL					

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						Yes	No
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	AN 2001-250208	9/2001	JP				
	AO 11-316919	11/1999	JP				
	AP 04-358310	12/1992	JP				
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	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Tehrani, et al., "Progress and Outlook for MRAM Technology ", IEEE Transactions on Magnetics, vol. 35, no. 5, September 1999, pgs. 2814-2819.
	AV	
	AW	
	AX	
	AY	
	AZ	
Examiner		Date Considered